



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450, on the below date of deposit.

Date of Deposit:	03/08/05	Name of Person Making the Deposit:	Kristel Lang	Signature of the Person Making the Deposit:	
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In re Application of: BHOJA et al.

Application No.: 09/954,453

Examiner: CAO, C.

Filed: 09/12/2001

Art Unit: 2115

Confirmation No.: 7526

For: METHOD AND APPARATUS FOR ELIMINATING DEAD ZONE IN PHASE LOCKED LOOPS USING BINARY QUANTIZED PHASE DETECTORS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT TRANSMITTAL**

1. Transmitted herewith is an amendment for this application

☒ Transmitted herewith is a response to an office action for the above identified patent application.  
( 12 sheets)  
☒ Transmitted herewith are 4 sheets of substitute formal drawings.  
Other:

2. Applicant is other than a small entity

**Extension of Term**

3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply.

(a) ☐ Applicant petitions for an extension of time under 37 C.F.R. 1.136  
(fees: 37 C.F.R. 1.17(a)-(d) for the total number of months checked below:)

Extension	Fee
<input type="checkbox"/> one month	\$120.00
<input type="checkbox"/> two months	\$450.00
<input type="checkbox"/> three months	\$1,020.00
<input type="checkbox"/> four months	\$1,590.00

Fee \$ \_\_\_\_\_

If an additional extension of time is required, please consider this a petition therefor.

- (b) ☒ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

### Fee Calculation

4. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

(for other than a small entity)					
Fee Items	Claims Remaining After Amendment	Highest Number of Claims Previously Paid For	Present Extra Claims	Fee Rate	Total
Total Claims	13	- 24 =	0	x \$50.00	\$0.00
Independent Claims	2	- 3 =	0	x \$200.00	\$0.00
Multiple Dependent Claim Fee (one or more, first added by this amendment)				\$360.00	\$0.00
<b>Total Fees</b>					<b>\$0.00</b>

### PAYMENT OF FEES

5. The full fee due in connection with this communication is provided as follows:
- ☒ The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No.: 23-0085.  
A duplicate copy of this authorization is enclosed.
- ☐ A check in the amount of \$
- ☐ Charge any fees required or credit any overpayments associated with this filing to Deposit Account No.: 23-0085.

Please direct all correspondence concerning the above-identified application to the following address:

**WAGNER, MURABITO & HAO LLP**  
Two North Market Street, Third Floor  
San Jose, California 95113  
(408) 938-9060  
Customer No:40166

Respectfully submitted,

Date: 3/8/05

By: William A. Zarbis  
William A. Zarbis  
Reg. No. 46,120



(Bear-P013)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
Bhoja et al.	)	Examiner: CAO, C.
	)	
Serial No.: 09/954,453	)	Art Unit: 2115
	)	
Filed: September 12, 2001	)	Confirmation No.: 7526
	)	
For: METHOD AND APPARATUS	)	
FOR ELIMINATING DEAD	)	
ZONE IN PHASE LOCKED	)	
LOOPS USING BINARY	)	
QUANTIZED PHASE	)	
DETECTORS	)	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENTS AND REMARKS

Dear Sir:

In response to the Office Action mailed December 9, 2004, please consider the following remarks and enter the following amendments.

Amendments to the specification are presented on page 2 of this response. Amendments to the figures are described on page 5 of this response. Amendments to the claims are presented beginning on page 6 of this response. Remarks begin on page 10 of this response.

BBNT-T013/JPW/WAZ  
Examiner: CAO, C.

Serial No.: 09/954,453  
Group Art Unit: 2115